Warning: Refer to current foreign charts and flight information publications for information within foreign airspace UNITED STATES GOVERNMENT

FLIGHT INFORMATION PUBLICATION 1"=10 NM IFR ENROUTE LOW ALTITUDE - U.S. For use up to but not including 18,000' MSL HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 EFFECTIVE 0901Z 29 JUL 2010 TO 0901Z 23 SEP 2010 Consult NOTAMs for latest Information PUBLISHED IN ACCORDANCE WITH INTERAGENCY AIR CARTOGRAPHIC COMMITTEE SPECIFICATIONS AND AGREEMENTS APPROVED BY:

SPECIFICATIONS AND AGREEMENTS APPROVED BY:  DEPARTMENT OF DEFENSE ★ FEDERAL AVIATION ADMINISTRATION							
MILITARY TRAINING ROUTES							
NUMBER	ALTITUDE RANGE	NUMBER	ALTITUDE RANGE	NUMBER	ALTITUDE RANGE		
IR-102	500 AGL TO 10000	IR-192	100 AGL TO 12500	VR-223	500 AGL TO 9000		
IR-107	100 AGL TO 10000	IR-194	100 AGL TO 12500	VR-231	100 AGL TO 7000		
IR-109	100 AGL TO 16000	IR-195	100 AGL TO 12500	VR-239	300 AGL TO 9500		
IR-113	100 AGL TO 11500	IR-213	200 AGL TO 8000	VR-241	300 AGL TO 9500		
IR-115	500 AGL TO 12000	IR-214	200 AGL TO 8000	VR-242	300 AGL TO 9000		
IR-116	500 AGL TO 12000	IR-217	200 AGL TO 7000	VR-243	300 AGL TO 9500		
IR-122	500 AGL TO 12000	IR-218	500 AGL TO 6000	VR-244	300 AGL TO 9500		
IR-128	SURFACE TO 13000	IR-250	SURFACE TO 8000	VR-245	300 AGL TO 9000		
IR-130	500 AGL TO 12000	IR-252	SURFACE TO 8000	VR-259	300 AGL TO 6500		
IR-131	500 AGL TO 12000	IR-254	SURFACE TO 9000	VR-260	300 AGL TO 7000 AGL		
IR-132	500 AGL TO 12000	IR-255	SURFACE TO 7000	VR-263	100 AGL TO 10500		
IR-133	100 AGL TO 12000	IR-320	100 AGL TO FL230	VR-267	300 AGL TO 6000		
IR-134	100 AGL TO 12500	VR-100	SURFACE TO 12500	VR-268	300 AGL TO 6000		
IR-141	500 AGL TO 10000	VR-108	100 AGL TO 15000	VR-269	300 AGL TO 6000		
IR-142	100 AGL TO 12000	VR-114	100 AGL TO 11000	VR-289	SURFACE TO 4500		
IR-154	SURFACE TO 9000	VR-125	SURFACE TO 12500	VR-296	SURFACE TO 4000		
IR-1 <i>55</i>	SURFACE TO 9000	VR-176	100 AGL TO 5000 AGL	VR-299	300 AGL TO 4000		
IR-178	200 AGL TO 15000	VR-196	100 AGL TO 9800				
IR-180	200 AGL TO 17000	VR-197	500 AGL TO 9800				

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THIS CHART CONTAINS OFF ROUTE OBSTRUCTION CLEARANCE ALTITUDES (OROCA). The off route obstruction clearance altitudes shown in quadrangles bounded by ticked lines of latitude and is based on information available concerning the highest known features in each quadrangle, including terrain and obstructions. OROCA provides obstruction clearance with a 1000 foot buffer in designate non-mountainous areas and a 2000 foot buffer in designated mountainous areas within the United States. For areas in Mexico and the Caribbean which are located outside of the U.S. ADIZ, OROCA provides obstruction clearance with a 3000 foot buffer. This altitude is provided for obstruction clearance only. It does not provide for NAVAID signal coverage or communication coverage, and would not be consistent with altitudes assigned by Air Traffic Control. Example: 12,500 feet .......

CORRECTIONS, COMMENTS, AND/OR PROCUREMENT

FORMAT AND CONTENT CONTACT: FAA, Aeronautical Information Services, AJR-321 800 Independence Ave., S.W., Washington, D.C. 20591 Online at http://nfdc.faa.gov Email 9-AWA-ATOR-AIS-feedback@faa.gov Online at http://AERONAV.FAA.GOV Email 9-AMC-Chartsales@faa.gov Tel. 1-800-638-8972 Fax 301-436-6829 Telephone 1-866-295-8236 or any authorized chart agent FOR CHARTING ERRORS CONTACT:

For Corrections Information, See Chapter 11 of General Planning (GP). For Procurement refer to DOD Catalog of 1305 East-West Highway Silver Spring, MD 20910-3281 Telephone 1-800-626-3677 Email 9-AMC-Aerochart@faa.gov Aeronautical Charts and Flight Information Publications.

Frequently asked questions (FAQ) are answered on our web site at http://AERONAV.FAA.GOV.

See the FAQs prior to contact via toll free number or email.





ARTCC three letter idents: Albuquerque ZAB, Atlanta ZTL, Boston ZBW, Chicago ZAU, Cleveland ZOB, Denver ZDV
Fort Worth ZFW, Houston ZHU, Indianapolis ZID, Jacksonville ZIX, Kansas City ZKC, Los Angeles ZIA, Memphis ZME
Miami ZMA, Minneapolis ZMP, New York ZNY, Oakland ZOA, Salt Lake City ZIC, Seattle ZSE, Washington ZDC
P - PROHIBITED, R - RESTRICTED, A - ALERT, W - WARNING AREAS
CANADA: CYA - ADVISORY, CYD - DANGER, CYR - RESTRICTED AREAS
CANADA: CYA - ADVISORY, CYD - DANGER, CYR - RESTRICTED AREAS
CANADA: CYA - ADVISORY, CYD - DANGER, CYR - RESTRICTED AREAS
CANADA: CYA - ADVISORY, CYD - DANGER, CYR - RESTRICTED AREAS
CANADA: CYA - CANADA: CYA - ADVISORY, CYD - CANADA: CYA - AREA - CANADA: CYA - CANADA: CY

Cont - Continuous: 24 hrs a day, 7 days a week

† - During periods of Doylight Saving Time (DT)

effective hours will be one hour earlier than shown.

NOTAM - Use of this term in Restricted Areas indicates FAA And
DoD NOTAM systems. Use of this term in all other

Special Use areas indicates the DoD NOTAM system. All altitudes are MSL unless otherwise indicated FL - Flight Level
Time - Hours shown are UTC unless otherwise indicated
Days - Sunrise to Sunset except Canada where it means
1/2 hr before sunrise to 1/2 hr after sunset
Nights - Sunset to Sunrise except Canada where it means

		0. 20.71	L USE AIRSPA			
	EFFECTIVE		TIMES USED, UTC		CONTROLLING AGENCY	
NUMBER	ALTITUDE	DAYS	HOURS	WEATHER	A/G CALL	PAI
R-2301E	To FL 800	Cont *1	1330-0700Z	VFR-IFR	ZAB CNTR/FSS	A
R-2301W	To FL 800	Cont	Cont	VFR-IFR	ZLA CNTR/FSS	A
R-2303A	To 15000	Mon-Fri *1	1400-0000Z	VFR-IFR	ZAB CNTR/FSS	-
R-2303B	8000 To FL 300	Mon-Fri *1	1400-0000Z	VFR-IFR	ZAB CNTR/FSS	
R-2303C	15000 To FL 300	Intermittent	By NOTAM	VFR-IFR	ZAB CNTR/FSS	(
R-2304	To FL 240	Mon-Sat *1	1330-0700Z	VFR-IFR	ZAB CNTR/FSS	
R-2305	To FL 240	Mon-Sat *1	1330-0700Z	VFR-IFR	ZAB CNTR/FSS	
R-2306A,B,E	То 80000	Cont	Cont	VFR-IFR	ZLA CNTR/FSS	/
R-2306C	To 40000	Cont *1	1330-0500Z	VFR-IFR	ZLA CNTR/FSS	/
R-2306D	To FL 230	Cont	Cont	VFR-IFR	ZLA CNTR/FSS	/
R-2307	Unltd	Cont	Cont	VFR-IFR	ZLA CNTR/FSS	
R-2308A	1500 AGL To 80000	Cont	Cont	VFR-IFR	ZLA CNTR/FSS	/
R-2308B	To 80000	Cont	Cont	VFR-IFR	ZLA CNTR/FSS	
R-2308C	1500 AGL To FL 230	Cont	Cont	VFR-IFR	ZLA CNTR/FSS	
R-2309	To 15000	Cont	Cont	VFR-IFR	ZLA CNTR/FSS	
R-2310A	To 10000	Intermittent	By NOTAM	VFR	ZAB CNTR/FSS	
R-2310B	10000 To 17000	Intermittent	By NOTAM	VFR	ZAB CNTR/FSS	
R-2310C	17000 To 35000	Intermittent	By NOTAM	VFR	ZAB CNTR/FSS	
R-2311	To 3500	Mon-Sat *1	Days	VFR-IFR	YUMA APP CON	1
R-2312	To But Not Including 15000	Cont	Cont	VFR-IFR	LIBBY AAF TOWER	(
R-2507E	To FL 400	Cont *1	1500-0700Z‡	VFR-IFR	ZLA CNTR/FSS	1
R-2507N,S	To FL 400	Cont	Cont	VFR-IFR	ZLA CNTR/FSS	1
R-2512	To 23000	Cont *1	1400-0700Z‡	VFR-IFR	ZLA CNTR/FSS	
R-5103A	*2	Mon-Fri *1	1400-0300Z‡	VFR-IFR	ZAB CNTR/FSS	
R-5103B,C	Unltd	Mon-Fri *1	1400-0300Z‡	VFR-IFR	ZAB CNTR/FSS	
R-5104A	To But Not Including 18000	Mon-Fri *1	1500-0700Z‡	VFR-IFR	ZAB CNTR/FSS	(
R-5105	To 10000	Mon-Fri *1	1500-0700Z‡	VFR-IFR	ZAB CNTR/FSS	
R-5107A	Unltd	Cont	Cont	VFR-IFR	ZAB CNTR/FSS	
R-5107B	Unltd	Cont	Cont	VFR-IFR	ZAB CNTR/FSS	
R-5107C	9000 To Unltd	Mon-Fri *1	Cont	VFR-IFR	ZAB CNTR/FSS	
R-5107D	To 22000	Cont	Cont	VFR-IFR	ZAB CNTR/FSS	
R-5107E	Unltd	By NOTAM	By NOTAM	VFR-IFR	ZAB CNTR/FSS	
R-5107H	To 9000	By NOTAM	By NOTAM	VFR-IFR	ZAB CNTR/FSS	
R-5107J	To 9000	Mon-Fri *1	Cont	VFR-IFR	ZAB CNTR/FSS	
R-5107K	Unltd	Mon-Fri *1	1400-0300Z‡	VFR-IFR	ZAB CNTR/FSS	
R-5111A	13000 To Unitd	By NOTAM	By NOTAM	VFR-IFR	ZAB CNTR/FSS	
R-5111B	To 13000	By NOTAM	By NOTAM	VFR-IFR	ZAB CNTR/FSS	
R-5111C	13000 To Unltd	By NOTAM	By NOTAM	VFR-IFR	ZAB CNTR/FSS	E
R-5111D	To But Not Including 13000	By NOTAM	By NOTAM	VFR-IFR	ZAB CNTR/FSS	E
R-5113	To 45000	6/1-9/30	1600-0200Z‡	VFR-IFR	ZAB CNTR/FSS	
R-5115	To 15000	Cont	Cont	VFR-IFR	ZAB CNTR/FSS	
	Unltd	Intermittent	By NOTAM	VFR-IFR	ZAB CNTR/FSS	T D
R-5123						
R-5123 R-6318	To 14000	Cont	Cont	VFR-IFR	ZAB CNTR/FSS	_

	EFFECTIVE		TIMES USED, UTC		CONTROLLING AGENCY	Т
NUMBER	ALTITUDE	DAYS	HOURS	WEATHER	A/G CALL	PANE
ABEL BRAVO	7000 *2	Mon-Fri *1	1300-0600Z‡	VFR-IFR	ZLA CNTR/FSS	Α
ABEL EAST	5000 To But Not Including 13000	Intermittent	By NOTAM	VFR-IFR	ZLA CNTR/FSS	Α
ABEL NORTH, SOUTH	7000 *2	Mon-Fri *1	1300-0600Z‡	VFR-IFR	ZLA CNTR/FSS	Α
BAGDAD 1	7000 Or 5000 AGL Whichever Is Higher *2	Mon-Fri *1	1300-0200Z	VFR-IFR	ZAB CNTR/FSS	A,B
BEAK A,B,C	12500 *2	Mon-Fri *1	1300-0100Z‡	VFR-IFR	ZAB CNTR/FSS	F,G
BRONCO 1	8000 *2	Mon-Fri *1	1300-0200Z	VFR-IFR	ZFW CNTR/FSS	G,H
BRONCO 2	10000 *2	By NOTAM	By NOTAM	VFR-IFR	ZFW CNTR/FSS	G,H
BRONCO 3,4	10000 *2	Mon-Fri *1	1300-0200Z	VFR-IFR	ZFW CNTR/FSS	G,H
CATO	13500 *2	Mon-Sat *1	1500-0500Z‡	VFR-IFR	ZAB CNTR/FSS	D,E,F
DOME	6000 *2	Intermittent	By NOTAM	VFR-IFR	ZLA CNTR/FSS	A
FUZZY	100 AGL To But Not Including 10000	Cont *1	1400-0200Z	VFR-IFR	ZAB CNTR/FSS	С
GLADDEN 1	7000 Or 5000 AGL Whichever Is Higher *2	Mon-Fri *1	1300-0200Z	VFR-IFR	ZAB CNTR/FSS	A,B
JACKAL	11000 Or 3000 AGL Whichever Is Higher *2	Mon-Fri Mon-Fri Intmt Wknds	1400-0100Z By NOTAM By NOTAM	VFR-IFR	ZAB CNTR/FSS	C,D
JACKAL LOW	100 AGL To But Not Including 11000 Or 3000 AGL Whichever Is Higher	Mon-Fri Mon-Fri Intmt Wknds	1400-0100Z By NOTAM By NOTAM	VFR-IFR	ZAB CNTR/FSS	С
LANCER	6200 *2	Mon-Fri *1	1500-0600Z‡	VFR-IFR	ZFW CNTR/FSS	Н
MORENCI	1500 AGL *2	Mon-Fri *1	1300-0400Z	VFR-IFR	ZAB CNTR/FSS	C,D
OUTLAW	8000 Or 3000 AGL Whichever Is Higher *2	Mon-Fri Mon-Fri Intmt Wknds	1400-0100Z By NOTAM By NOTAM	VFR-IFR	ZAB CNTR/FSS	С
PECOS NORTH H <b>I</b> GH	11000 *2	Mon-Fri *1	1500-0300Z‡	VFR-IFR	ZAB CNTR/FSS	G
PECOS NORTH LOW	100 AGL To But Not Including 11000	Mon-Fri *1	1500-0300Z‡	VFR-IFR	ZAB CNTR/FSS	G
PECOS SOUTH	500 AGL *2	Mon-Fri *1	1500-0300Z‡	VFR-IFR	ZAB CNTR/FSS	G
QUAIL	10000 *2	Mon-Fri *1	1400-2400Z	VFR-IFR	ZLA CNTR/FSS	Α
RESERVE	5000 AGL *2	By NOTAM	By NOTAM	VFR-IFR	ZAB CNTR/FSS	C,D
RUBY 1	10000 *2	Mon-Fri *1	1300-0200Z	VFR-IFR	ZAB CNTR/FSS	С
SELLS 1	10000 *2	Mon-Fri *1	1300-0200Z	VFR-IFR	ZAB CNTR/FSS	B,C
SELLS LOW	3000 AGL To But Not Including 10000	Mon-Fri *1	1300-0200Z	VFR-IFR	ZAB CNTR/FSS	B,C
SMITTY	500 AGL To But Not Including 13500	Cont	1500-0500Z‡	VFR-IFR	ZAB CNTR/FSS	D,E,F
TA <b>I</b> BAN	500 AGL To But Not Including 11000	Mon-Fri *1	1500-0700Z‡	VFR-IFR	ZAB CNTR/FSS	G
TALON H <b>I</b> GH EAST	12500 *2	Mon-Fri *1	Days	VFR-IFR	ZAB CNTR/FSS	G
TALON H <b>I</b> GH WEST	12500 *2	Mon-Fri *1	Days	VFR-IFR	ZAB CNTR/FSS	F,G
TALON LOW	300 AGL To But Not Including 12500	Mon-Fri *1	Days	VFR-IFR	ZAB CNTR/FSS	F,G
TOMBSTONE A	500 AGL To But Not Including 14500	Mon-Fri *1	1300-0400Z	VFR-IFR	ZAB CNTR/FSS	C,D
TOMBSTONIE B	FOO ACL To But Not	Man Eri *1	1200 04007	VED IED	ZAD CNITD /ECC	_

A BLYTHE Overlaps Chart L-7

Overlaps Chart L-8

Overlaps Chart L-SAN DIEGO 122.6 PRESCOTT 122.2 REPORT TO FAA RADIO PRIOR TO ENTERING ADIZ MILITARY TRAINING ROUTES (MTRs) CRUISING ALTITUDES - U

IFR within controlled airspace as assigne MTRs 5 NM or less both sides of centerline VR-000 → MTRs greater than 5 NM either or both sides of centerline IR-000 → VR-000 → Arrow indicates direction of route See MIR lobs for oblitude range information All Route for oblitude range information flags with the state of the day of the state of th

PANELS
ABCD

1"=10 NM

UNITED STATES GOVERNMENT
FLIGHT INFORMATION PUBLICATION

IFR ENROUTE LOW ALTITUDE - U.S. For use up to but not including 18,000' MSL HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983

		l	L E G E N D AIRPORTS	)
		Terminal Procedures Publications or the Do	oved Instrument Approach Procedure and/or R D FLIPs. Those in BIUE have an Instrument Ap FLIPs. Facilities in BROWN do not have a pub	proach Procedure and/or RADAR MINIMA
		RADAR MINIMA.	A solid line box enclosing the airport	. Pvt - Private use
S		LAND	Requirements-see Directory/Supplement 2. "NO SVFR" above the airport name	Associated city names for public airports are shown above or preceding the airport name. If airport name and city name are
HHHH			indicates FAR 91 fixed-wing special VFR flight is prohibited 3. CorD following the airport name	the same, only the airport name is shown.  City names for military and private airports are not shown. The airport identifier in
HIHHHHH		O O Military     H H Heliport	indicates Class C or Class D Airspace  Airport Ident CITY	parentheses follows the airport name.  Part-time or established by
			AO Location Indicator utside contiguous U.S.  Airport National (APT) (ICAO)  280 0* 43	me
		4 4 Civil	Airport (A) *109.	Longest runway length to
			Automatic Terminal Part-time Fr Information Service Lighting Cap	as the dividing point (add 00)
			L Lighting available  ① Pilot Controlled Lighting	No lighting available     At private facilities - indicates no
		NAV	★ Part-time or on request AIDS AND COMMUNICATION BO	lighting information is available. DXES
		NAVAIDS  VHF/UHF Data is depicted in BLACK	COMMUNICATION TO THE COMMUNICA	ATION BOXES 000.0
	Over	LF/MF Data is depicted in BROWN  COMPASS ROSES	000.0 IDT 000(Y) ≅··	NAME 000.0 IDT 000 ≌··
	Overlaps Chart L-6N	Oriented to Magnetic North of NAVAID which	VOR with TACAN compatible DME Underline indicates No Voice transmitted	
	hart L-c	may not be adjusted to the charted isogonic	on this frequency. TACAN Channels are without voice but not underlined.	Freq(s) positioned above thin line NAVAID box is remoted to the NAVAID site. Other freq(s) at the named FSS radio are
	ž	values. Smaller sizes are	Crosshatch indicates Shutdown status	available, however, altitude and terrain may determine their reception.
		used in congested areas.	(T) Frequency protection usable range at 12,000' AGL - 25NM	Thin line NAVAID boxes without freq(s) and FSS radio name indicates no freq(s) available.
			(Y) TACAN must be placed in "Y" mode to receive distance information	000.0 000.0
		VOR VOR/DME TACAN VORTAC	NAME	NAME 000.0 IDD 000 ≌::
		LF/MF Non-directional	000 IDT <b>∺··</b> (000.0)	Shadow NAVAID box indicates NAVAID
		Radiobeacon or Marine Radiobeacon with magnetic north indicator	TACAN Channel paired with VHF Frequency in parenthesis.	and Flight Service Station (FSS) have same name
		inagnetic north indicator	Automated Weather Broadcast Systems:  ASOS/AWOS  HIWAS TWEB	000.0 000.0 FSS name and identifier not associated
		UHF Non-directional Radiobeacon	Automated weather, when available, is broadcast on the associated NAVAID	with NAVAID
		, addopadcon	frequency.	Remote Communications Outlet (RCO). FSS radio name and remoted freq(s)
	KAPEY	LF/MF Non-directional	ASOS/AWOS	are shown.  SHADOW BOXES indicate Flight Service
	Ϋ́	Radiobeacon/DME	Part-Time or On- Request * 000 IDT 00(000.0) :	Stations (FSS). Frequencies 122.2, 255.4 and emergency 121.5 and 243.0 (Canada-121.5, 126.7 and 243.0) are
<b>1 1 1 1 1 1 1 1 1 1</b>		.::7.	LF/MF Non-directional Radiobeacon/DME VHF Freq paired with TACAN Channel	available at many FSSs and are not shown. All other frequencies are shown. Certain FSSs provide Airport Advisory
9		Compass Locator Beacon	TACAN FIX DATA	Service, see A/FD. Frequencies transmit and receive except those followed by R or T: R - Receive only
		Flight Service Station (FSS), Remote Communications Outlet (RCO) or Automated Weather Observing Station	Ident Chan	T- Transmit only
Æ		<ul> <li>Automated Weather Observing Station (ASOS/AWOS) not associated with a charted NAVAID or airport</li> </ul>	Bearing Distance from TACAN from TACAN	
		ILS Localizer Course with additional navigation function		
į.			<u>IC SERVICES AND AIRSPACE INFO</u> EDATA	BOUNDARIES
135		VHF/UHF Data is depicted in BLACK LF/MF Data is depicted in BROWN RNAV Data is depicted in BLUE	Changeover Point giving mileage to NAVAIDs	Air Route Traffic Control Center (ARTCC)
72			(Not shown at midpoint locations)	ARTCC Remoted Sites
_		VOR Airway	00 00	Name with discrete VHF and
_		VO VOR Airway  LF/MF Airway	*0000 *0000 Minimum Obstruction *0000 Clearance Altitude (MOCA)	Name with discrete VHF and UHF frequencies
_		VO VOR Airway	*0000 *0000 Minimum Obstruction	Name with discrete VHF and UHF frequencies  Flight Information Region (FIR)  Type of Area
_		VO VOR Airway  LF/MF Airway  Uncontrolled LF/MF Airway  Oceanic Route	*0000 *0000 Minimum Obstruction *0000 Clearance Altitude (MOCA)	With discrete VHF and UHF frequencies  Flight Information Region (FIR)  CTA/FIR  OAKLAND OCEANIC Traffic Service KZAK
_		VOR Airway  LF/MF Airway  Uncontrolled LF/MF Airway  Oceanic Route  AO  AO  ATS Route  Low Altitude	*000 *000 Minimum Obstruction *0000 Clearance Altitude (MOCA)  0000 0000 Minimum Enroute Altitude (MEA)  0000 GNSS RNAV MEA  MAA-00000 Maximum Authorized Altitude (MAA)  MEA, MOCA and/or MAA Change at other	With discrete VHF and UHF frequencies  Flight Information Region (FIR)  Type of Area Traffic Service
-		VO VOR Airway  LF/MF Airway  Uncontrolled LF/MF Airway  A0 A0 Oceanic Route  ATS Route	*0000 *0000 Minimum Obstruction *0000 *0000 Minimum Enroute Altitude (MCA)  0000 0000 Minimum Enroute Altitude (MEA)  0000 GNSS RNAV MEA  MAA-00000 Maximum Authorized Altitude (MAA)  MEA, MOCA and/or MAA Change at other than NAVAIDs	With discrete VHF and UHF frequencies  Flight Information Region (FIR)  Type of Area Traffic Service KZAK UNITD Ceiling FL 55 Floor
<b>-</b>	<u>108.6</u>	VOR Airway  LF/MF Airway  Uncontrolled LF/MF Airway  A0  A0  Oceanic Route  ATS Route  Low Altitude RNAV Route GNSS required  Substitute Route Via/bypassing temporarily shutdown NAVAIDS.	*0000 *0000 Minimum Obstruction *0000 *0000 Minimum Enroute Altitude (MCA)  0000 0000 Minimum Enroute Altitude (MEA)  0000 GNSS RNAV MEA  MAA-00000 Maximum Authorized Altitude (MAA)  - MEA, MOCA and/or MAA Change at other than NAVAIDs  R Minimum Reception Altitude (MRA)	With discrete VHF and UHF frequencies  Flight Information Region (FIR)  TOTA/FIR  OAKLAND OCEANIC  KZAK UNLID  ACC  Air Defense Identification Zone (ADIZ)  Off Route Obstruction Clearance Altitudes
258 -	<u>108.6</u> DMN	VOR Airway  LF/MF Airway  Uncontrolled LF/MF Airway  AO  AO  Oceanic Route  ATS Route  Low Altitude  RNAY Route  GNSS  required  Via/bypassing temporarily shutdown NAVADS. See NOTAMs or appropriate publications for specific information.	*0000 *0000 Minimum Obstruction *0000 *0000 Minimum Enroute Altitude (MCA)  0000 0000 Minimum Enroute Altitude (MEA)  0000 GNSS RNAV MEA  MAA-00000 Maximum Authorized Altitude (MAA)  -   MEA, MOCA and/or MAA Change at other than NAVAIDs    Minimum Reception Altitude (MRA)    Minimum Crossing Altitude (MCA)	With discrete VHF and UHF frequencies  Flight Information Region (FIR)  Type of Area Traffic Service KZAK UNLID CEANIC KZAK UNLID Celling FL55 Floor  Air Defense Identification Zone (ADIZ)  ORCOCA)  Example: 12,500 feet
258 <b>-</b>	<u>108.6</u> DMN 23	VOR Airway  LF/MF Airway  Uncontrolled LF/MF Airway  AO  AO  Oceanic Route  ATS Route  Low Alfitude RNAV Route GNSS required  Vio/bypossing temporarily shutdown NAVAIDS. See NOTAMs or appropride publications for	*0000 *0000 Minimum Obstruction *0000 *0000 Minimum Erroute Altitude (MCA)  0000 0000 Minimum Erroute Altitude (MEA)  0000 GNSS RNAV MEA  MAA-00000 Altitude (MAA)  I I MEA, MOCA and/or MAA Change at other than NAVAIDs  WEA, MOCA and/or MAA Change at other than NAVAIDs  WEA, MINIMUM Reception Altitude (MRA)  WEA, MOCA and/or MAA Change at other than NAVAIDs  Altitude (MCA)  Holding Pattern with max restricted airspeed 210K applies to altitudes above 6000° to and including 14000°	With discrete VHF and UHF frequencies  Flight Information Region (FIR)  CTA/FIR Type of Area Traffic Service KZAK UNITO CEANIC XAK UNITO CHANCE AIT (Ceiling Floor ACC  Air Defense Identification Zone (ADIZ)  Off Route Obstruction Clearance Altitudes (OROCA) Example: 12,500 feet  International Boundary (Not shown when coincident
258 -		VOR Airway  LF/MF Airway  Uncontrolled LF/MF Airway  AO  AO  ATS Route  Low Altitude RNAV Route GNSS required  Construction of the proportion of the proport	*0000 *0000 Minimum Obstruction *0000 *0000 Minimum Enroute Altitude (MCA)  0000 0000 Minimum Enroute Altitude (MEA)  0000 GNSS RNAV MEA  MAA-00000 Maximum Authorized Altitude (MAA)  - I MEA, MOCA and/or MAA Change at other than NAVAIDs  Minimum Reception Altitude (MCA)  Minimum Crossing Altitude (MCA)  Holding Pattern with max restricted airspeed 210K applies to all altitudes above 6000' to and including 14000' 175K applies to all altitudes  FIXES/ATC	With discrete VHF and UHF frequencies  Flight Information Region (FIR)  Type of Area Traffic Service KZAK UNITD CEANIC XAC  Air Defense Identification Zone (ADIZ)  Air Defense Identification Clearance Altitudes (OROCA)  Example: 12,500 feet  International Boundary (Not shown when coincident with ARTCC or FIR)  US/Russia Maritime
258 -		AO  LF/MF Airway  Uncontrolled LF/MF Airway  AO  AO  ATS Route  Low Altitude RNAV Route GNSS required  Construction of the proportion of t	*0000 *0000 Minimum Obstruction *0000 *0000 Minimum Enroute Altitude (MCA)  0000 0000 Minimum Enroute Altitude (MEA)  0000 GNSS RNAV MEA  MAA-00000 Altitude (MAA)  I I MEA, MOCA and/or MAA Change at other than NAVAIDs  Minimum Reception Altitude (MRA)  WIND Minimum Reception Altitude (MCA)  Holding Pattern with max restricted airspeed 210K applies to altitudes above 6000° to and including 14000° 175K applies to all altitudes  FIXES/ATC  REPORTING REQUIREMENTS	With discrete VHF and UHF frequencies  Flight Information Region (FIR)  CTA/FIR Type of Area Traffic Service KZAK UNITD CEANIC KZAK UNITD CHIEF Floor  Air Defense Identification Zone (ADIZ)  Air Defense Identification Zone (ADIZ)  Off Route Obstruction Clearance Altitudes (OROCA)  Example: 12,500 feet  International Boundary (Not shown when coincident with ARTCC or FIR)  US/Russia Maritime Boundary
		VOR Airway  LF/MF Airway  Uncontrolled LF/MF Airway  AO  AO  ATS Route  Low Altitude RNAV Route GNSS required  Construction of Signature of Signatur	*0000 *0000 Minimum Obstruction *0000 *0000 Minimum Enroute Altitude (MCA)  0000 0000 Minimum Enroute Altitude (MEA)  0000 GNSS RNAV MEA  MAA-00000 Altitude (MAA)  I I MEA, MOCA and/or MAA Change at other than NAVAIDs  Minimum Reception Altitude (MRA)  WEA, MOCA and/or MAC Change at other than NAVAIDs  MINIMUM Reception Altitude (MCA)  Holding Pattern with max restricted airspeed 210K applies to altitudes above 6000° to and including 14000° 175K applies to all altitudes  FIXES/ATC REPORTING REQUIREMENTS  A Fix Compulsory and Non-Compulsory Position Report	With discrete VHF and UHF frequencies  Flight Information Region (FIR)  Type of Area Traffic Service KZAK UNITD CEANIC XAC  Air Defense Identification Zone (ADIZ)  Air Defense Identification Clearance Altitudes (OROCA)  Example: 12,500 feet  International Boundary (Not shown when coincident with ARTCC or FIR)  US/Russia Maritime
258		VOR Airway  LF/MF Airway  Uncontrolled LF/MF Airway  AO  AO  Oceanic Route  ATS Route  Low Altitude RNAV Route GNSS required  Substitute Route Vio/bypassing temporarily shutdown NAVAIDS. See NOTAMs or appropriate publications for specific information.  Unusable Route Segment  Vo  Preferred Single Direction Route  EVEN  Direction of Flight Indicator (Canada only)  000.0 IDT 000  Facility Locators used in formation  of Reporting Points	*0000 *0000 Minimum Obstruction *0000 *0000 Minimum Enroute Altitude (MCA)  0000 0000 Minimum Enroute Altitude (MEA)  0000 GNSS RNAV MEA  MAA-00000 Advitude (MAA)  HAA-00000 Altitude (MAA)  MEA, MOCA and/or MAA Change at other than NAVAIDs  Minimum Reception Altitude (MRA)  Minimum Crossing Altitude (MCA)  Holding Pattern with max restricted airspeed 210K applies to altitudes above 6000° to and including 14000′ 175K applies to all altitudes  FIXES/ATC REPORTING REQUIREMENTS  A Fix Compulsory and Non-Compulsory Position Report	With discrete VHF and UHF frequencies  Flight Information Region (FIR)  CTA/FIR Type of Area Traffic Service KZAK UNITD CEANIC ZONE (ADIZ)  Air Defense Identification Zone (ADIZ)  Air Defense Identification Zone (ADIZ)  Off Route Obstruction Clearance Altitudes (OROCA) Example: 12,500 feet  International Boundary (Not shown when coincident with ARTCC or FIR)  WS/Russia Maritime Boundary  Area of Enlargement (contains only data for through flights) See Area Charts for complete data  Official Time Zone
		VOR Airway  LF/MF Airway  LF/MF Airway  Uncontrolled LF/MF Airway  AO  AO  AO  Oceanic Route  AO  ATS Route  Low Altitude RNAV Route GNSS required  Vio/bypassing temporarily shutdown NAVAIDS. See NOTAMs or appropriate publications for specific information.  Unusable Route Segment  Preferred Single Direction of Flight Indicator (Canada only)  OOO.0 IDT OOO  Facility Locators used in formation of Reporting Points  Radial outbound from a VHF/UHF NAVAID	*0000 *0000 Minimum Obstruction *0000 *0000 Minimum Enroute Altitude (MCA)  0000 0000 Minimum Enroute Altitude (MEA)  0000 GNSS RNAV MEA  MAA-00000 Maximum Authorized Altitude (MAA)  I MEA, MOCA and/or MAA Change at other than NAVAIDs  Minimum Reception Altitude (MRA)  Minimum Crossing Altitude (MCA)  Holding Pattern with max restricted airspeed 210K applies to altitudes above 6000' to and including 14000' 175K applies to all altitudes  FIXES/ATC REPORTING REQUIREMENTS  FIX Compulsory and Non-Compulsory and Non-Compulsory Position Report  Penotes DME Fix (Distance same as route mileage)	With discrete VHF and  With discrete VHF and  UHF frequencies  Flight Information Region (FIR)  Type of Area Traffic Service KZAK UNITD Ceiling Fl. 55  ACC  Air Defense Identification Zone (ADIZ)  Air Defense Identification Zone (ADIZ)  5 Off Route Obstruction Clearance Allitudes (OROCA) Example: 12,500 feet  International Boundary (Not shown when coincident with ARTCC or FIR)  US/Russia Maritime Boundary  Area of Enlargement (contains only data for ihrough flights) See Area Charts for complete data
R-5115	23	VOR Airway  LF/MF Airway  Uncontrolled LF/MF Airway  AO  AO  Oceanic Route  AO  ATS Route  Low Altitude RNAY Route GNSS required  Via/bypassing temporarily shutdown NAYADS. See NOTAMs or appropriate publications for specific information.  Unusable Route Segment  VO  Preferred Single Direction of Flight Indicator (Canada only)  OOO ID  Radial outbound from a VHF/UHF NAVAID  Bearing inbound to an LF/MF NAVAID	*0000 *0000 Minimum Obstruction *0000 *0000 Minimum Erroute Altitude (MCA) *0000 GNSS RNAV MEA  MAA-00000 Altitude (MAA)  MEA, MOCA and/or MAA Change at other than NAVAIDs  Minimum Reception Altitude (MRA)  Minimum Crossing Altitude (MRA)  Minimum Crossing Altitude (MCA)  Holding Pattern with max restricted airspeed 210K applies to altitudes above 6000' to and including 14000' 175K applies to all altitudes  FIXES/ATC  REPORTING REQUIREMENTS  A Fix Compulsory and Non-Compulsory Position Report  Penotes DME Fix (Distance same as route mileage)  Denotes DME Fix and Mileage	Air Defense Identification Zone (ADIZ)  Area of Endargement (contains only data for through flights) See Area Charts for complete data  Official Time Zone  International Date Line  AIRSPACE INFORMATION  Open area (white) indicates controlled airspace (Class E) unless otherwise indicated
R-5115	23	VOR Airway  LF/MF Airway  Uncontrolled LF/MF Airway  AO  AO  Oceanic Route  AO  ATS Route  Low Altitude RNAY Route GNSS required  Via/bypassing temporarily shutdown NAVAIDS. See NOTAMs or appropriate publications for specific information.  Unusable Route Segment  VO  Preferred Single Direction for Flight Indicator (Canada only)  000.0 IDT 000  Facility Locators used in formation  of Reporting Points  Radial outbound from a VHF/UHF NAVAID  Bearing inbound to	**0000 **0000 Minimum Obstruction **0000 **0000 Minimum Enroute Altitude (MCA)  **0000 O000 Minimum Enroute Altitude (MEA)  **MAA-00000 Minimum Enroute Altitude (MEA)  **MAA-00000 Minimum Authorized Altitude (MAA)  **MEA, MOCA and/or MAA Change at other than NAVAIDs  **Minimum Reception Altitude (MRA)  **Minimum Crossing Altitude (MCA)  **Holding Pattern with max restricted airspeed 210K applies to altitudes above 6000' to and including 14000' 175K applies to all altitudes  **FIXES/ATC REPORTING REQUIREMENTS**  **A Fix Compulsory and Non-Compulsory Position Report  **NAV Waypoint Compulsory and Non-Compulsory Position Report  **Denotes DME Fix (Distance same as route mileage)  **Denotes DME Fix and Mileage  **Offset arrows indicate facility forming a fix (away from VHF/UHF, toward LEF/MF)	Air Defense Identification Zone (ADIZ)  Off Route Obstruction Clearance Altitudes (OROCA) Example: 12,500 feet International Boundary (Not shown when coincident with ARTCC or FIR)  We will be a substantial or through flights) See Area Charts for complete data Official Time Zone International Date Line AIRSPACE INFORMATION Open area (white) indicates controlled airspace (Idass E) unless otherwise indicated All airspace 14,500' and above is controlled (Class E)
R-5115	23	VOR Airway  LF/MF Airway  Uncontrolled LF/MF Airway  AO  AO  Oceanic Route  AO  ATS Route  Low Altitude RNAV Route GNSS required  Vio/bypassing temporarily shutdown NAVAIDS. See NOTAM's or appropriate publications for specific information.  Unusable Route Segment  VO  Preferred Single Direction of Flight Indicator (Canada only)  OOO.0 IDT OOO  Facility Locators used in formation of Reporting Points  AVAID  OOO  Radial outbound from a VHF/UHF NAVAID  OOO  Bearing inbound to an LF/MF NAVAID  Magnetic Reference Bearing, outbound from a NAVAID or Fix  Total Mileage between	**0000 **0000 Minimum Obstruction **0000 **0000 Minimum Enroute Altitude (MCA) **0000 GNSS RNAV MEA  **MAA-00000 Minimum Enroute Altitude (MEA) **MAA-00000 Altitude (MAA)  **J MEA, MOCA and/or MAA Change at other than NAVAIDs  **Minimum Reception Altitude (MRA)  **Minimum Crossing Altitude (MCA)  **Holding Pattern with max restricted airspeed 210K applies to altitudes above 6000° to and including 14000° 175K applies to all altitudes  **FIXES/ATC REPORTING REQUIREMENTS**  **A Fix Compulsory and Non-Compulsory Position Report  **NAV Waypoint Compulsory and Non-Compulsory Position Report  **Denotes DME Fix (Distonce same as route mileage)  **Denotes DME Fix and Mileage Offset arrows indicate facility forming a fix (away from VHF/UHF, toward LF/MF NAVAID)  **Mileage Breakdown or Computer**	Air Defense Identification Zone (ADIZ)  Off Route Obstruction Clearance Altitudes (OROCA) Example: 12,500 feet International Boundary (Not shown when coincident with ARTCC or FIR)  Area of Enlargement (contains only data for through flights) See Area Charts for complete data Official Time Zone International Date Line AIRSPACE INFORMATION Open area (white) indicates controlled airspace 14,500' and above is controlled (Class E) Shaded area (brown) indicates uncontrolled airspace below 14,500' (Class G)
R-5115	Overlaps Chart L-6N	VOR Airway  LF/MF Airway  Uncontrolled LF/MF Airway  AO  AO  Oceanic Route  AO  ATS Route  Low Altitude RNAY Route GNSS required Via/bypassing temporarily shutdown NAYAIDS. See NOTAM's or appropriate publications for specific information.  Unusable Route Segment  VO  Preferred Single Direction of Flight Indicator (Canada only)  OOO. IDT  OOO  Radial outbound from a VHF/UHF NAVAID  Bearing inbound to an LF/MF NAVAID  Magnetic Reference Bearing, outbound from a NAVAID or Fix  Total Mileage between Compulsory Fixes and/ or NAVAIDS	**0000 **0000 Minimum Obstruction **0000 **0000 Minimum Erroute Altitude (MCA) **0000 Clearance Altitude (MCA) **0000 Clearance Altitude (MEA) **0000 Clearance Altitude (MEA) **0000 Clearance Altitude (MEA) **0000 Clearance Altitude (MEA) **MAA-00000 Minimum Authorized Altitude (MAA)  **J HAMA-00000 Altitude (MCA) **J Minimum Crossing Altitude (MCA) **HOILING Altitude (MCA) **J Minimum Crossing Altitude (MC	Air Defense Identification Zone (ADIZ)  5 Off Route Obstruction Clearance Altitudes (OROCA)  Example: 12,500 feet  International Boundary (Not shown when coincident with ARTCC or FIR)  Area of Enlargement (contains only data for through flights) See Area Charts for complete data  Official Time Zone  International Date Line  AIRSPACE INFORMATION  Open area (white) indicates controlled airspace (Class E) unless otherwise indicated All airspace 14,500' and above is controlled (Class E)  Shaded area (brown) indicates uncontrolled
R-5115 KED BALLOON 000 IN R-5115	23	VOR Airway  LF/MF Airway  Uncontrolled LF/MF Airway  AO  AO  Oceanic Route  AO  ATS Route  Low Altitude RNAV Route GNSS required  Via/bypassing temporarily shutdown NAVAIDS. See NOTAMs or appropriate publications for specific information.  Unusable Route Segment  Preferred Single Direction of Flight Indicator (Canada only)  OOO. IDT OOO  Radial outbound from a VHF/UHF NAVAID  Bearing inbound to an LF/MF NAVAID  Magnetic Reference Bearing, outbound from a NAVAID or Fix  Total Mileage between Compulsory Fixes	***O000 ***O000 Minimum Obstruction ***O000 ***O000 Minimum Enroute Altitude (MCCA) O000 O0000 Minimum Enroute Altitude (MEA) O000 GNSS RNAV MEA  **MAA-00000 Maximum Authorized Altitude (MAA) MEA, MOCA and/or MAA Change at other than NAVAIDs  **MOCA and/or MAA Change at other than NAVAIDs  **MINIMUM Crossing Altitude (MRA) Minimum Crossing Altitude (MRA) Minimum Crossing Altitude (MCA) Moca and including 14000' 175K applies to all intudes above 6000' to and including 14000' 175K applies to all intudes above 6000' to and including 14000' 175K applies to all intudes above 6000' to and including 14000' 175K applies to all intudes above 6000' to and including 14000' 175K applies to all intudes above 6000' to and including 14000' 175K applies to all intudes above 6000' to and including 14000' 175K applies to all intudes above 6000' to and including 14000' 175K applies to all intudes above 6000' to and including 14000' 175K applies to all intudes above 6000' to and including 14000' 175K applies to all intudes above 6000' to and including 14000' 175K applies to all intudes above 6000' to and including 14000' 175K applies to all intudes above 6000' to all intudes above 6000' to and including 14000' 175K applies to all intudes above 6000' to all intudes 6000	Air Defense Identification Zone (ADIZ)  AIR Space International Boundary (Not shown when coincident with ARTCC or FIR)  Area of Enlargement (contains only data for through flights) See Area Charts for complete data  Official Time Zone  International Date Line  AIRSPACE INFORMATION Open area (white) indicates controlled airspace (Class E) unless otherwise indicated All airspace 14,500' and above is controlled (Class E)  Shaded area (brown) indicates uncontrolled airspace below 14,500' (Class B)  In Canada - Indicates Class B Airspace
R-5115  KED BALLOON 000 IN R-5115	Overlaps Chart L-6N	VOR Airway  LF/MF Airway  Uncontrolled LF/MF Airway  AO  AO  AO  Oceanic Route  AO  ATS Route  Low Altitude RNAV Route GNSS required  Vio/bypassing temporarily shutdown NAVAIDS. See NOTAMs or appropriate publications for specific information.  Unusable Route Segment  Preferred Single Direction of Flight Indicator (Canada only)  OOO.0 IDT OOO  Facility Locators used in formation of Reporting Points  AU  OOO  Radial outbound from a VHF/UHF NAVAID  OOO  Bearing inbound to an LF/MF NAVAID  Magnetic Reference Bearing, outbound from a NAVAID or Fix  Total Mileage between Compulsory Fixes and/or NAVAIDS  Mileage between other Fixes, NAVAIDS and/or Mileage Breakdown	***O000 ***O000 Minimum Obstruction ***O000 ***O000 Minimum Enroute Altitude (MCCA) O000 O0000 Minimum Enroute Altitude (MEA) O000 GNSS RNAV MEA  **MAA-00000 Maximum Authorized Altitude (MAA) MEA, MOCA and/or MAA Change at other than NAVAIDs  **MOCA and/or MAA Change at other than NAVAIDs  **MINIMUM Crossing Altitude (MRA) Minimum Crossing Altitude (MRA) Minimum Crossing Altitude (MCA) Moca and including 14000' 175K applies to all intudes above 6000' to and including 14000' 175K applies to all intudes above 6000' to and including 14000' 175K applies to all intudes above 6000' to and including 14000' 175K applies to all intudes above 6000' to and including 14000' 175K applies to all intudes above 6000' to and including 14000' 175K applies to all intudes above 6000' to and including 14000' 175K applies to all intudes above 6000' to and including 14000' 175K applies to all intudes above 6000' to and including 14000' 175K applies to all intudes above 6000' to and including 14000' 175K applies to all intudes above 6000' to and including 14000' 175K applies to all intudes above 6000' to and including 14000' 175K applies to all intudes above 6000' to all intudes above 6000' to and including 14000' 175K applies to all intudes above 6000' to all intudes 6000	Air Defense Identification Zone (ADIZ)  Air Defense Identification Zone (ADIZ)  Air Defense Identification Zone (ADIZ)  Off Route Obstruction Clearance Altitudes (OROCA) Example: 12,500 feet  International Boundary (Not shown when coincident with ARTCC or FIR)  We are of Enlargement (contains only date for through flights) See Area Charls for complete data  Official Time Zone International Date Line AIRSPACE INFORMATION Open area (white) indicates controlled dirspace 14,500' and above is controlled (Class E)  In Canada - Indicates Class B Airspace above 12,500' Oceanic Control Area (CTA)  Additional Control
R-5115  KED BALLOON 000 IN R-5115	Overlaps Chart L-6N	AO LF/MF Airway  LF/MF NAVAID	**0000 **0000 Minimum Obstruction **0000 **0000 Minimum Enroute Altitude (MCA) **0000 O000 Minimum Enroute Altitude (MEA) **0000 GNSS RNAV MEA  **MAA-00000 Altitude (MAA)  **MEA, MOCA and/or **MAA Change at other than NAVAIDs  **Minimum Reception Altitude (MRA)  **MocA and/or **MAA Change at other than NAVAIDs  **Minimum Crossing Altitude (MCA)  Holding Pattern with max restricted airspeed **210K applies to altitudes above **5000' to and including 14000' 175K applies to all altitudes  **FIXES/ATC**  REPORTING REQUIREMENTS  **A Fix Compulsory and Non-Compulsory Position Report  **Non-Compulsory Position Report  **Denotes DME Fix (Distance same as route mileage)  **Denotes DME Fix and Mileage  **Offset arrows indicate facility forming a fix (away from VHF/UHF, toward LF/MF NAVAID)  **Mileage Breakdown or Computer X Navigational Fix (CNF) (no ATC functions)  **GROUPING**  **Ting Points Airway Restriction	Air Defense Identification  Air Defense Identification  Zone (ADIZ)  Air Defense Identification Zone (ADIZ)  Air Defense Identification Zone (ADIZ)  Air Defense Identification Zone (ADIZ)  5 Off Route Obstruction Clearance Altitudes (OROCA) Example: 12,500 feet  International Boundary (Not shown when coincident with ARTCC or RR)  Area of Enlargement (contains only data for ihrough flights) See Area Charts for complete data  Official Time Zone  AIRSPACE INFORMATION Open area (white) indicates controlled airspace (Class E) unless otherwise indicated All airspace 14,500' and above is controlled airspace below 14,500' (Class G)  In Canada - Indicates Class B Airspace above 12,500'  Oceanic Control Area (CTA)
R-5115  KED BALLOON 000 IN R-5115	Overlaps Chart L-6N	VOR Airway  AO  LF/MF Airway  Uncontrolled LF/MF Airway  AO  AO  AO  AO  ATS Route  Low Altitude RNAV Route GNSS required  Vio/bypassing temporarily shutdown NAVAIDS. See NOTAMs or appropriate publications for specific information.  Unusable Route Segment  Preferred Single Direction of Flight Indicator (Canada only)  OOO.0 IDT OOO  Facility Locators used in formation of Reporting Points  ANAMID  OOO  Radial outbound from a VHF/UHF NAVAID  OOO  Bearing inbound to an LF/MF NAVAID  OOO  Magnetic Reference Bearing, outbound from a NAVAIDS and/or Mileage between Compulsory Fixes and/or NAVAIDS  Mileage between other Fixes, NAVAIDS and/or Mileage Breakdown  EXAMPLE OF  Magnetic Reference Bearings will not be shown on joint Victor/ RNAV routes.  DUCEY	***O000 ***O000 Minimum Obstruction ***O000 ***O000 Minimum Enroute Altitude (MCCA) O000 O000 Minimum Enroute Altitude (MEA) O000 GNSS RNAV MEA  **MAA-00000 Maximum Authorized Altitude (MAA) MEA, MOCA and/or MAA Change at other than NAVAIDs  **MOCA and/or Minimum Reception Altitude (MRA) Minimum Crossing Altitude (MRA) O000 for and including 14000' 175K applies to all titudes above 6000' to and including 14000' 175K applies to all titudes Sove 175K applies to all titudes bove 175K applies to all titudes of O000' to and including 14000' 175K applies to all titudes Poolet Non-Compulsory Position Report Non-Compulsory Position Report One-Compulsory Position Report Offset arrows indicate facility forming a fix (away from VHF/UHF, toward LF/MF NAVAID)  **Mileage Breakdown or Computer Navaigational Fix (CNF) (no ATC functions)	Air Defense Identification Zone (ADIZ)  Air Defense Identification Zone (ADIZ)  Air Defense Identification Zone (ADIZ)  Off Route Obstruction Clearance Altitudes (OROCA) Example: 12,500 feet  International Boundary (Not shown when coincident with ARTCC or FIR)  We are of Enlargement (contains only date for through flights) See Area Charls for complete data  Official Time Zone International Date Line AIRSPACE INFORMATION Open area (white) indicates controlled dirspace 14,500' and above is controlled (Class E)  In Canada - Indicates Class B Airspace above 12,500' Oceanic Control Area (CTA)  Additional Control
R-5115  KED BALLOON 000 IN R-5115	Overlaps Chart L-6N	A0 LF/MF Airway  Low Alititude  RNAVAIDS.  See NOTAMs or appropriate publications for specific information of Fight Indicator (Canada only)  Preferred Single Direction of Flight Indicator (Canada only)  Radicator (Canada only)  DOO DOO DOO DOO DOO DOO DOO DOO DOO DO	**0000 **0000 Minimum Obstruction **0000 **0000 Minimum Enroute Altitude (MCA) **0000 O000 Minimum Enroute Altitude (MEA) **0000 GNSS RNAV MEA  **MAA-00000 Altitude (MAA)  **MEA, MOCA and/or **MAA Change at other than NAVAIDs  **Minimum Reception Altitude (MRA)  **Minimum Crossing Altitude (MCA)  **Holding Pattern with max restricted airspeed **210K applies to altitudes above **5000' to and including 14000' **175K applies to all altitudes  **FIXES/ATC **REPORTING REQUIREMENTS  **A Fix Compulsory and **Non-Compulsory Position Report  **Non-Compulsory Position Report  **Denotes DME Fix **Dibitance same as route mileage  **Denotes DME Fix and Mileage  **Denotes DME Fix and Mileage  **Offset arrows indicate facility forming a fix (away from VHF/UHF, toward LF/MF NAVAID)  **Mileage Breakdown or Computer X Navigational Fix (CNF) (no ATC functions)  **GROUPING**  **Tima Points dinates are not of offshore rolding fixes)  **A-14900**  **MAA-14900**  **A-14900**  **Maximum Authorized Altitude (MCA)  **A Tayou Minimum Enroute Altitude (MCA)  **A Tayou Minimum Authorized Altitude (MCA)  **A Tayou	Air Defense Identification  Air Defense Identification Zone (ADIZ)  Air Defense Identification Zone (ADIZ)  Off Route Obstruction Clearance Altitudes (OROCA) Example: 12,500 feet  International Boundary (Not shown when coincident with ARTCC or RR)  Area of Enlargement (contains only data for ihrough flights) See Area Charts for complete data  Official Time Zone  AIRSPACE INFORMATION Open area (white) indicates controlled airspace (Class E) unless otherwise indicated All airspace 14,500' and above is controlled airspace below 14,500' (Class G)  In Canada - Indicates Class B Airspace above 12,500'  Oceanic Control Area (CTA)  Additional Control Area limit  Class B Class C Mode C Area Airspace Airspace See FAR 91.215
R-5115  KED BALLOON 000 IN R-5115	Overlaps Chart L-6N	AO  AO  LF/MF Airway  Uncontrolled LF/MF Airway  AO  AO  AO  AO  AO  ATS Route  Low Altitude RNAV Route GNSS required  Vio/bypassing temporarily shutdown NAVAIDS. See NOTAMs or appropriate publications for specific information.  Unusable Route Segment  VO  Preferred Single Direction of Flight Indicator (Canada only)  OOO.0 IDT 000  Radial outbound from a VHF/UHF NAVAID  Magnetic Reference Bearing, outbound from a NAVAIDS and/or NAVAIDS  Mileage between other Fixes, NAVAIDS  Mileage between other Fixes, NAVAIDS and/or Mileage Breakdown  EXAMPLE OF  Magnetic Reference Bearings will not be shown on joint Victor/RNAV routes.  DUCEY  ARCEY Magnetic Reference Searings ARCEY Magnetic Reference Bearings will not be shown on joint Victor/RNAV routes.  DUCEY  ARCEY Magnetic Reference Bearings will not be shown on joint Victor/RNAV routes.  DUCEY  ARCEY Magnetic Reference Bearings will not be shown on joint Victor/RNAV routes.  DUCEY  ARCEY Magnetic Reference Bearings will not be shown on joint Victor/RNAV routes.  DUCEY  ARCEY Magnetic Reference Bearings will not be shown on joint Victor/RNAV routes.  DUCEY  ARCEY Magnetic Reference Bearings will not be shown on joint Victor/RNAV routes.  DUCEY  ARCEY Magnetic Reference Bearings will not be shown on joint Victor/RNAV routes.  DUCEY  ARCEY Magnetic Reference Bearings will not be shown on joint Victor/RNAV routes.  ARCEY Magnetic Reference Bearings will not be shown on joint Victor/RNAV routes.  ARCEY Magnetic Reference Bearings will not be shown on joint Victor/RNAV routes.  ARCEY Magnetic Reference Bearings will not be shown on joint Victor/RNAV routes.  ARCEY Magnetic Reference Bearings will not be shown on joint Victor/RNAV routes.  ARCEY Magnetic Reference Bearings will not be shown on joint Victor/RNAV routes.  ARCEY Magnetic Reference Bearings Will not be shown on joint Victor/RNAV routes.  ARCEY Magnetic Reference Bearings Will not be shown on joint Victor/RNAV routes.	**0000 **0000 Minimum Obstruction **0000 **0000 Minimum Enroute Altitude (MCA) **0000 GNSS RNAV MEA  **MAA-00000 Minimum Enroute Altitude (MEA) **MAA-00000 Altitude (MAA)  **J MEA, MOCA and/or **MAA Change at other than NAVAIDs  **Minimum Reception Altitude (MRA)  **MocA and Crossing Altitude (MRA)  **Minimum Crossing Altitude (MCA)  Holding Pattern with max restricted airspeed **210K applies to altitudes above **5000' to and including 14000' **175K applies to all altitudes  **FIXES/ATC**  REPORTING REQUIREMENTS  **A Fix Compulsory and Non-Compulsory Position Report  **Non-Compulsory Position Report  **Denotes DME Fix (Distance same as route mileage)  **Denotes DME Fix and Mileage  **Denotes DME Fix (Distance same as route mileage)  **Mon-Compulsory Position Report  **Mon-Compulsory Position	Air Defense Identification Zone (ADIZ)  Off Route Obstruction Clearance Altitudes (OROCA) Example: 12,500 feet International Boundary (Not shown when coincident with ARICC or FIR)  Area of Enlargement (contains only data for through flights) See Area Charts for complete data Official Time Zone International Date Line AIRSPACE INFORMATION Open area (white) indicates controlled airspace (Class E) unless otherwise indicated All airspace 14,500' and above is controlled (Class E) Shaded area (brown) indicates uncontrolled airspace below 14,500' (Class G)  Oceanic Control Area (CTA)  Additional Control Area limit  Class B Class C Mode C Area Airspace Airspace See FAR 91.215  SPECIAL USE AIRSPACE
R-5115  KED BALLOON 000 IN R-5115	Overlaps Chart L-6N	AO  LF/MF Airway  Low Altitude  RNAV Route  GNSS  required  Low Altitude  RNAV Route  GNSS  required  Low Altitude  RNAVAIDS  Low Seignent  Low Altitude  RNAVAIDS  Preferred Single  Direction of Flight  Indicator (Canada only)  Low Even  Low Airway  Low	***NOTO ***OND Minimum Obstruction ***OND ***OND Minimum Enroute Altitude (MCCA) OND OND Minimum Enroute Altitude (MEA) OND OND Minimum Enroute Altitude (MEA) OND GNSS RNAV MEA  **MAA-00000 Minimum Enroute Altitude (MEA) MAA-00000 Altitude (MAA)  **MEA, MOCA and/or MAA Change at other than NAVAIDs  **MINIMUM Crossing Altitude (MRA)  **MINIMUM Crossing Altitude (MRA)  **MINIMUM Crossing Altitude (MCA)  **Holding Pattern with max restricted airspeed 210K applies to allitudes above 6000° to and including 14000° 175K applies to all ditiudes above 6000° to and including 14000° 175K applies to all ditiudes above 6000° to and including 14000° 175K applies to all ditiudes above 6000° to and including 14000° 175K applies to all ditiudes above 6000° to and including 14000° 175K applies to all ditiudes above 6000° to and including 14000° 175K applies to all ditiudes above 6000° to and including 14000° 175K applies to all ditiudes above 6000° to and including 14000° 175K applies to all ditiudes above 6000° to and including 14000° 175K applies to all ditiudes are a fixed for all the fixed	Air Defense Identification Zone (ADIZ)  Off Route Obstruction Clearance Altitudes (OROCA) Example: 12,500 feet  International Boundary (Not shown when coincident with ARTCC or FIR)  Area of Enlargement (contains only data for through flights) See Area Charts for complete data  Official Time Zone International Date Line AIRSPACE INFORMATION Open area (white) indicates controlled airspace (Class E) unless otherwise indicated All airspace 14,500' and above is controlled (Class E) Shaded area (brown) indicates uncontrolled airspace below 14,500' (Class G)  Oceanic Control Area (CTA)  Additional Control Area limit  Class B Class C Mode C Area Airspace Airspace See FAR 91.215  SPECIAL USE AIRSPACE  P - Prohibited Area R - Restricted Area W - Warning Area W - Warning Area W - Warning Area
R-5115  KED BALLOON 000 IN R-5115	Overlaps Chart L-6N	AO  AO  LF/MF Airway  LF/MF Airway  LF/MF Airway  LF/MF Airway  LF/MF Airway  AO  AO  AO  AO  Cocanic Route  AO  ATS Route  Low Altitude RNAV Route GNSS required  Vio/bypassing temporarily shutdown NAVAIDS. See NOTAMs or appropriate publications for specific information.  Unusable Route Segment  Preferred Single Direction of Flight Indicator (Canada only)  OOO.0 IDT OOO  Radial outbound from a VHF/UHF NAVAID  Magnetic Reference Bearing, outbound from a NAVAIDS ond/or NAVAIDS  Mileage between other Compulsory Fixes and/or NAVAIDS  Mileage between other Fixes, NAVAIDS and/or Mileage Breakdown  EXAMPLE OF  Magnetic Reference Bearings will not be shown on joint Victor/RNAV routes.  DUCEY  ARCEY  NOC OOO  ARCEY  A	***O000 ***O000 Minimum Obstruction Clearance Altitude (MOCA) O000 0000 Minimum Enroute Altitude (MEA) O000 GNSS RNAV MEA  **MAA-00000 Minimum Enroute Altitude (MEA) MAA-00000 Altitude (MAA)  **J MAA-00000 Altitude (MAA)  **MEA, MOCA and/or MAA Change at other than NAVAIDs  **Minimum Reception Altitude (MRA)  **Minimum Crossing Altitude (MCA)  **Holding Pattern with max restricted airspeed 210K applies to altitudes above 6000° to and including 14000° 175K applies to all titudes by 6000° to and including 14000° 175K applies to all altitudes  **FIXES/ATC**  REPORTING REQUIREMENTS  **APONTING REQUIREMENTS  **APONTING REQUIREMENTS  **APONTING REQUIREMENTS  **APONTING REQUIREMENTS  **APONTING REQUIREMENTS  **O000 To and including 14000° 175K applies to all altitudes above 1000° 175K applies to all altitudes points of the fix of t	Air Defense Identification Zone (ADIZ)  5 Off Route Obstruction Clearance Altitudes (OROCA) Example: 12,500 feet  International Boundary (Not shown when coincident with ARICC or Fire)  Area of Enlargement (contains only data for through flights) See Area Charts for complete data  Official Time Zone  International Date Line  AIRSPACE INFORMATION Open area (white) indicates controlled airspace (Class E) unless otherwise indicated All airspace 14,500' and above is controlled (Class E) Shaded area (brown) indicates uncontrolled airspace below 14,500' (Class G)  In Canada - Indicates Class B Airspace above 12,500'  Oceanic Control Area (CTA)  Additional Control Area (imit)  Class B Class C Mode C Area Airspace imit and Control Area (Imit)  Class B Class C Mode C Area Airspace Airspace Area A - Alert Area W - Warning Area A - Alert Area W - Warning Area A - Alert Area (MOA - Military Operations Area (OR)  Operations Area
R-5115  KED BALLOON 000 IN R-5115	Overlaps Chart L-6N	AO  LF/MF Airway  Low Altitude  RNAV Route  GNSS  required  Low Altitude  RNAV Route  GNSS  required  Low Altitude  RNAVAIDS  Low Seignent  Low Altitude  RNAVAIDS  Preferred Single  Direction of Flight  Indicator (Canada only)  Low Even  Low Airway  Low	***O000 ***O000 Minimum Obstruction Clearance Altitude (MOCA) O000 0000 Minimum Enroute Altitude (MEA) O000 GNSS RNAV MEA  **MAA-00000 Minimum Enroute Altitude (MEA) MAA-00000 Altitude (MAA)  **J MAA-00000 Altitude (MAA)  **MEA, MOCA and/or MAA Change at other than NAVAIDs  **Minimum Reception Altitude (MRA)  **Minimum Crossing Altitude (MCA)  **Holding Pattern with max restricted airspeed 210K applies to altitudes above 6000° to and including 14000° 175K applies to all titudes by 6000° to and including 14000° 175K applies to all altitudes  **FIXES/ATC**  REPORTING REQUIREMENTS  **APONTING REQUIREMENTS  **APONTING REQUIREMENTS  **APONTING REQUIREMENTS  **APONTING REQUIREMENTS  **APONTING REQUIREMENTS  **O000 To and including 14000° 175K applies to all altitudes above 1000° 175K applies to all altitudes points of the fix of t	Air Defense Identification Zone (ADIZ)  Off Route Obstruction Clearance Altitudes (OROCA) Example: 12,500 feet International Boundary (Not shown when coincident with ARTCC or FIR)  Area of Enlargement (contains only data for through flights) See Area Charts for complete data Cofficial Time Zone International Date Line AIRSPACE INFORMATION Open area (white) indicates controlled airspace (Class E) unless otherwise indicated All airspace 14,500' and above is controlled (Class E) Shaded area (brown) indicates uncontrolled airspace below 14,500' (Class G)  In Canada - Indicates Class B Airspace alove 12,500' Oceanic Control Area (CTA)  Additional Control Area limit  Class B Class C Mode C Area Airspace Airspace See FAR 91,215  SPECIAL USE AIRSPACE  Oceanic Control Area (CTA)  Additional Control Area limit  Alert Area (CTA)  A Jert Area (CTA)  A Jert Area (CYA-101 MOA - Military